

ExactechGPS®
GuidedPersonalizedSurgery



EXPERIENCE GPS
FOR TOTAL KNEE
ARTHROPLASTY

DETERMINE YOUR
OWN COURSE.



The year 2010 marked Exactech's silver anniversary and 25 years of mobility. As a company founded by an orthopaedic surgeon and a biomedical engineer, Exactech has a unique perspective on product development. Our orthopaedic implants, surgical instrumentation and biologic solutions are designed with a primary goal of improving patient outcomes.



Exactech GPS® is a user-friendly new technology that is redefining the way orthopaedic surgery is planned and performed. This non-intrusive, computer-based system is designed to provide fast, accurate, visual displays within the sterile field while taking up

minimal space in the operating room. The touch screen puts anatomical landmark verification within arm's reach. Personalized for surgeon preferences and patient indications, Exactech GPS can guide the entire O.R. staff through each case, improving workflow and supporting bone reconstruction and soft tissue balancing objectives. Exactech GPS—guided, personalized surgery—is designed to be a powerful addition to your surgical team that supports your goal of achieving accuracy and reproducibility in total joint arthroplasty.

Although computer assisted surgery, mechanical instrumentation and other surgical technologies have increased accuracy and reliability in total knee arthroplasty, alignment and rotational outliers continue to occur. No one system has addressed the parameters of affordability, optimization of O.R. time, ease of use, accuracy and intra-operative adjustability to be truly successful by industry standards—until now.



	GPS	Navigation	Custom Cutting Blocks	Robotics
Ease of Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Affordability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O.R. Efficiency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intra-operative Adjustability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soft Tissue Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Get There Faster.

Exactech GPS is the ultimate addition to your surgical team. Ergonomically designed for ease of use, the system requires minimal assembly. Similar to a GPS touch screen in a car, data is presented in a clear way, guiding your entire surgical team throughout each individual case.

From simplified and faster surgical protocols to improved workflow and flexibility, Exactech GPS fully integrates into your operating room, blending into the surgical environment. Pre-established, customizable surgical protocols are designed to save time and increase efficiency, guiding your team throughout each case and allowing you to focus on the patient. Unlike other systems, Exactech GPS provides you with real-time virtual vision and anatomical landmark verification—all within arm's reach in the sterile field.

- **Less complex system than conventional navigation**
- **Simplified, faster surgical protocols**
- **Reduced number of traditional instruments**
- **Non-intrusive integration into your operating room**



Exactech GPS is designed to become a dependable member of your surgical team with its precise guidance through your total joint arthroplasty surgeries. Not only is the screen easy to read for your entire team, but the data presentation, including mechanical axis values and resection levels, can be pre-planned to your preferred sequence, landmarks and references.



Maintain Total Control.

You decide the approach. GPS helps you get there. Exactech GPS is personalized for surgeon preferences and patient indications, providing the ultimate flexibility that can adapt to any surgical scenario.

The state-of-the-art technology supports a comprehensive array of soft tissue strategies and allows you to customize and pre-plan surgeries that fit your surgical philosophy. With Exactech GPS, you can easily adjust intra-operatively, balance flexion and extension gaps and plan component placement before performing resections. Exactech GPS eliminates the need for costly pre-operative diagnostic imaging.

- **Simplified intra-operative adjustability**
- **Easy determination of flexion and extension gaps**
- **Soft tissue management compatibility**
- **Component up- and down-sizing**



The Surgeon Profiler can be fully customized, simplifying and optimizing each surgical step. Preferences such as surgical sequence, implant style, soft tissue balancing methods and pre- and post-operative kinematics are streamlined with the Surgeon Profiler technology. And to ensure the ultimate ease of use, your Exactech GPS-certified representative will be able to assist you every step of the way.



Enjoy Precision Handling.

You know your surgery. GPS will help streamline your protocols. Exactech GPS provides accurate, real-time feedback of anatomical and mechanical alignment landmarks throughout surgery.

Based on your surgical preferences, anatomical landmark registration is performed intra-operatively with clear, automated data displayed within seconds. Whether you are performing a cruciate retaining or posterior stabilized knee, Exactech GPS supports your surgical preferences with bone reconstruction and soft tissue balancing objectives, including defined component sizing, and rotational and mechanical alignment.

- **Real-time feedback of anatomical and mechanical landmarks**
- **Intra-operative registration based on your preference**
- **Supports precise component sizing and rotation**



Exactech GPS uses a contemporary infrared camera and active tracker technology that features simplified data presentation in a close operating distance within the sterile field. Reference points on both the distal femur and proximal tibia are pre-established on the Surgeon Profiler with your Exactech GPS representative, enabling you to select only the reference points that align with your surgical preferences.



Experience Custom Fit.

With decades of clinical success and proven outcomes for patients around the world, Exactech offers a full line of Optetrak® implants and streamlined instrumentation that address your concerns for contact stress, patellar tracking, polyethylene wear, joint stability and bone preservation in total knee arthroplasty. All from a company that is focused on improving the quality of life for individuals by maintaining their activity and independence.

The Exactech GPS system, combined with the clinically proven Optetrak knee, addresses the latest emerging trends in total knee arthroplasty. With proven long-term patient outcomes and 91-99 percent survival rates,¹⁻¹¹ the Optetrak knee has been evolving and improving since its foundation that started more than 30 years ago. The total knee design was developed at the Hospital for Special Surgery in New York based on the solid foundation of the Total Condylar, Insall/Burstein and Insall/Burstein II. Combined with Exactech GPS' unique technology, the system is designed for optimal and consistent results for your total knee surgeries.

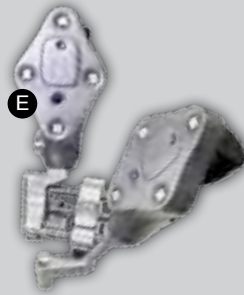
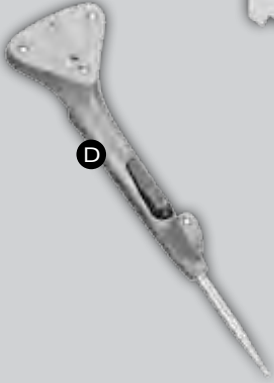
You determine the best course for your patients. GPS can help provide a custom-fit knee with less pain, faster recovery and a less invasive approach.



Optetrak CR Slope®



Optetrak Logic® PS



Exactech GPS[®]

Guided Personalized Surgery

- A Display Unit**
Ergonomically designed, easy-to-read touch screen within arm's reach in the operative field
- B Surgeon Profiler**
Customizable software can be pre-planned according to surgeon preference and patient indications
- C Control Unit**
Computer system features a unique anatomical landmark registration technology that is designed for accuracy at short distances
- D Pointer Tracker**
Active tracker allows the surgeon to move through the software with its forward and backward button
- E Active Tracker Technology**
Active trackers provide real-time anatomical registration displayed on the touch screen

Exactech GPS Instrumentation

- 521-10-00 External Tracker Fixator with 0-degree Attachment
- 521-10-30 External Tracker Fixator with 30-degree Attachment
- 521-10-45 External Tracker Fixator with 45-degree Attachment
- 521-40-05 Femoral GPS Base Positioning Template LEM (Lateral Extra-Medullary)
- 521-11-04 3.5 mm Hexagonal Screwdriver
- 521-30-01 Exactech GPS Tibial Block Base, Left
- 521-30-02 Exactech GPS Tibial Block Base, Right
- 521-40-01 Exactech GPS Femoral Block Base, Central
- 521-11-00 Exactech GPS Adjustable Module
- 521-11-01 Exactech GPS Cutting Block
- 521-40-02 Exactech GPS Femoral Distal Cutting Block
- 521-40-03 Exactech GPS Femoral 4-in-1 Positioning Guide
- 521-30-03 Exactech GPS Tibial Base Positioning Template
- 521-30-04 Exactech GPS Tibial EM Coupler Connector, Base Positioning Template
- 521-40-05 Exactech GPS Femoral Base Positioning Template, Lateral EM
- 521-40-06 Exactech GPS Femoral IM Coupler Connector, Base Positioning Template
- 521-11-02 Exactech GPS Blade Drill Guide
- A10007 Exactech GPS Disposable Kit Box (Starter Key, Sterile Batteries, Sterile Drape)

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